

To: LEE, LILY[LEE.LILY@EPA.GOV]
Cc: Guria, Peter[Guria.Peter@epa.gov]
From: Terry, Robert
Sent: Fri 5/13/2016 6:02:42 PM
Subject: RE: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

I just learned that I will be in the office for the next two weeks after all, though working with minimum resources. In any case, I should be available, and as I told you in the email below I'll be working on release criteria, background concentrations, and past Th-232 measurements.

From: Terry, Robert
Sent: Friday, May 13, 2016 9:49 AM
To: LEE, LILY <LEE.LILY@EPA.GOV>
Subject: RE: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

Thanks for the CD with Steve Dean's correspondence. Following is a response to an earlier inquiry that you had sent, based on some of Steve's documents that you had attached to an email.

I thought I had also sent you an email regarding another of the documents that you had attached to that same email, describing a document I had found that was dated in 2002, in which it did not appear that either Region 9 or the Navy had come to any specific conclusions about a cleanup goal for Ra-226. Unfortunately, I can't find that email.

During the next two weeks, our group will be working at home, though I do plan to be in the office for an hour or so on Wednesday morning, May 18th. I will dedicate the next two weeks almost entirely to reviewing the CD and other documents that you recently sent to me. I will probably email you more than once during the next two weeks, to keep you up to date and see if we need to modify or clarify your information requests. If you need a final transmittal from me of my findings before June 1st please let me know.

From: Terry, Robert
Sent: Monday, May 02, 2016 2:22 PM
To: LEE, LILY <LEE.LILY@EPA.GOV>
Subject: RE: Do any of these attached contain documentation re original release criteria or of Ra-

226 or Th-232 background levels?

The release criteria in Table 6-1 of the Basewide Radiological Work Plan dated February 16, 2005, does state that the concentration limit for ²²⁶Ra in soil (both Outdoor Worker and Residentail scenarios) “. . . is 1 pCi/g above background; not to exceed 2 pCi/g total, per agreement with EPA.” So there might be some document dated prior to February 116, 2005, where EPA and the Navy agreed on a cleanup goal of 1 pCi/g above background.

The document also illustrates that the Navy did not yet clearly understand that the 25 mrem/yr NRC decommissioning rule does not apply to Superfund site cleanups, even though Steve Dean had already made that clear in earlier correspondence.

From: LEE, LILY

Sent: Wednesday, April 27, 2016 8:57 AM

To: Terry, Robert <Terry.Robert@epa.gov>

Cc: Chesnutt, John <Chesnutt.John@epa.gov>

Subject: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

Dear Rob,

Dan Hirsch asked the following:

1. Documentation re original release criteria & calculations using the then-current version of EPA PRG Calculator, including what risk level that represents
2. “The Hunters Point documents we have been reviewing indicate a remediation level for radium-226 of 1 pCi/g above background, not to exceed 2 pCi/g, “per agreement with EPA.” Could you send me documentation of that EPA agreement and its basis, and any risk assessment that was performed at the time of the risk associated with that level of radium? Also, I am having trouble locating the value being employed for radium background—could you let me know what value is being used and where I can find the source for it?”

We are interested in Thorium background levels.

Mark Ripperda thought these documents might contain information relevant to these questions. Could you please review these documents to see if they have information that addresses these questions? I'd appreciate it!

- Lily

Lily Lee

Cleanup Project Manager

Superfund Division

U.S. Environmental Protection Agency, Region 9

75 Hawthorne St. (SFD-8-3)

San Francisco, CA 94105

Tel: 415-947-4187, Fax: 415-947-3518

www.epa.gov/region9/superfund

From: ELATTAR, SARA
Sent: Thursday, April 21, 2016 8:42 AM
To: LEE, LILY <LEE.LILY@EPA.GOV>
Cc: HSG Circulation <circulation@herndon-group.com>
Subject: RE: Could I get these documents?

Good morning Lily,

No problem at all, I am glad to help out.

I have created DRF (Document Request form) on your behalf. Please see below:

	Requester	Doc Request #	Site Name	Submitted	Due Date	Status	Released	Request Type
Notes Link	LEE, L.	90421-0820	TREASURE ISLAND NAVAL STN HUNTERS PT AN	04/21/2016	04/27/2016	In Process	No	(Not Entered)

As for the requested documents, 9 documents were found in PDF format in SEMS. I will attach them within this email. Please see attachment.

The rest of the documents (2054332, 88184149, 2099768, 156344, 2054389, 2054392, 2089669, and 2089668) are located at the FRC and I have requested for their retrieval. Please note it can take from 3 to 4 days to arrive to the Records center,

You will be notified immediately of their arrival.

Please feel free to request as many documents as necessary! 😊

Let me know if you need additional assistance.

Best,

Sara Elattar

Document Specialist

U.S. EPA R9 Regional Records Center

(415) 947-8717

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From: LEE, LILY
Sent: Wednesday, April 20, 2016 9:35 PM
To: ELATTAR, SARA <Elattar.Sara@epa.gov>
Subject: Could I get these documents?

Dear Sara

I'm so sorry to ask for so many this time. Could I please get these? I appreciate it!

- Lily

Lily Lee

Cleanup Project Manager

Superfund Division

U.S. Environmental Protection Agency, Region 9

75 Hawthorne St. (SFD-8-3)

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From: Ripperda, Mark
Sent: Wednesday, April 20, 2016 11:38 AM
To: LEE, LILY <LEE.LILY@EPA.GOV>
Subject: RE: Got 2 of these 2153266, 2229254, and 2232762

The missing cleanup goal information is between the 2001 Action Memo which sets a cleanup goal of 5pCi/g above background and the 2006 Action Memo which sets 1 pCi/g above background, per communication with EPA. So here's a list of what I see that might contain it (I'm guessing that the last three in the list have the best chance of documenting the agreement):

2054332	4/12/2001	Memo: Comments on radiological investigation & confirmation surveys conducted on 3/19/01, w/attchs (radiation)	Steve Dean / Environmental Protection Agency - Region 9
88184149	4/12/2001	Memo: Bldg 364 radiological contamination removal actions (radiation)	Steve Dean / Environmental Protection Agency - Region 9
2099768	6/6/2002	Ltr: Comments on Historical radiological assessment, v2 - use of general radioactive materials, 1939-2002 (3/29/02), w/TL to K Forman fr C Trombadore 6/6/02	Environmental Protection Agency - Region 9
156344	3/28/2003	Radiological scanner van survey (9/9/02-9/12/02), w/TL (radiation)	Environmental Protection Agency - Radiation & Indoor Environments National Laboratory
2126455	5/19/2003	EPA responses to comments on draft historical radiological assessment, v 2, w/TL fr C Trombadore to K Forman	Environmental Protection Agency - Region 9

2226304	4/27/2004	Ltr: Transmits comments fr EPA & EPA contractor on draft final historical radiological assessment, v2, dated 2/04, w/attchs	Michael Work / Environmental Protection Agency - Region 9
2227348	11/16/2004	Comments on final historical radiological assessment & comments on response to comments on draft final historical radiological assessment, history of use of general radioactive materials (1939-2003) w/TL fr M Work to K Forman	Environmental Protection Agency - Region 9
2216003	2/16/2005	Basewide radiological workplan, w/apps A-B & w/o fig 2-1	Tetra Tech F W, Inc M K M Engineers, Inc New World Environmental, Inc
2054389	2/18/2005	Workplan, removal action design & implementation, metal debris reef & metal slag areas, parcels E & E-2, draft, w/TLs, instruction sheet, & replacement pages (radiation)	Tetra Tech F W, Inc
2140350	2/22/2005	Mtg Agenda & Notes: BRAC Cleanup Team (BCT) mtg, w/attchs	Tetra Tech, Inc
2054392	2/25/2005	Project workplan, PCB hot spot soil excavation site, parcels E & E-2, draft, w/TL fr K Forman to M Work (radiation)	Tetra Tech F W, Inc
2232765	3/7/2005	Email: Questions about basewide radiological workplan, w/history	Michael Work / Environmental Protection Agency - Region 9 Steve Dean / Environmental Protection Agency - Region 9
2232718	4/6/2005	Mtg Handout: Radiological program overview mtg (4/6/05), w/marginalia	US Navy - Base Realignment & Closure Program Management Office
2226257	4/13/2005	Ltr: Concerns re project workplan, radiological time-critical removal action, IR-02 northwest & central, parcel E, dated 3/9/05, w/TL fr I Balkissoon to J Ricks	James Ricks / Environmental Protection Agency - Region 9
2232748	4/14/2005	Ltr: Comments on draft removal action design & implementation workplan, metal debris reef & metal slag areas, parcels E & E-2, dated 2/05, w/TL fr J Ricks to P Brooks	Environmental Protection Agency - Region 9
2089669	2/14/2006	Draft final project workplan, base-wide storm drain & sanitary sewer	Tetra Tech E C, Inc

removal, w/TL to J Ricks fr K Forman
2/13/06

2089668 2/14/2006 Draft final parcel B design plan, storm
drain & sanitary sewer removal, w/TL Tetra Tech E C, Inc
to J Ricks fr K Forman 2/13/06